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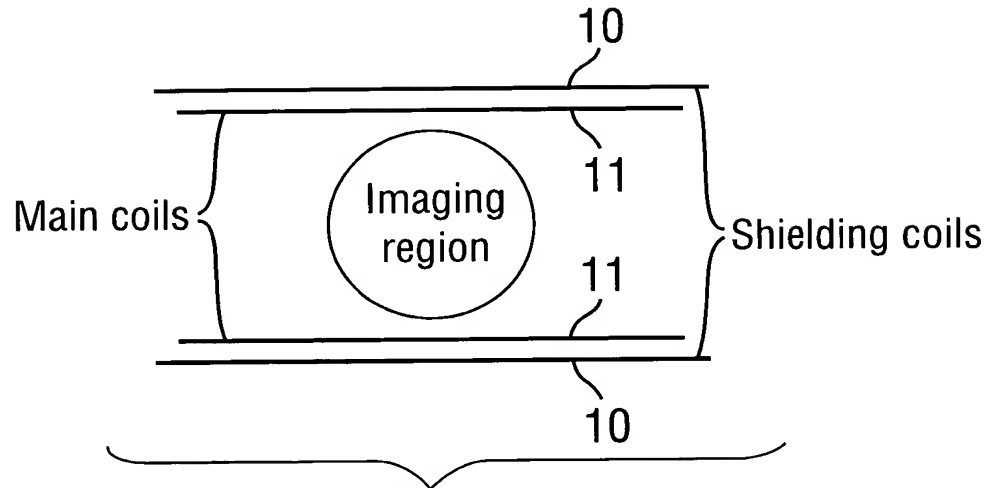


FIG. 1a

Cross-section of conventional bi-planar gradient coil

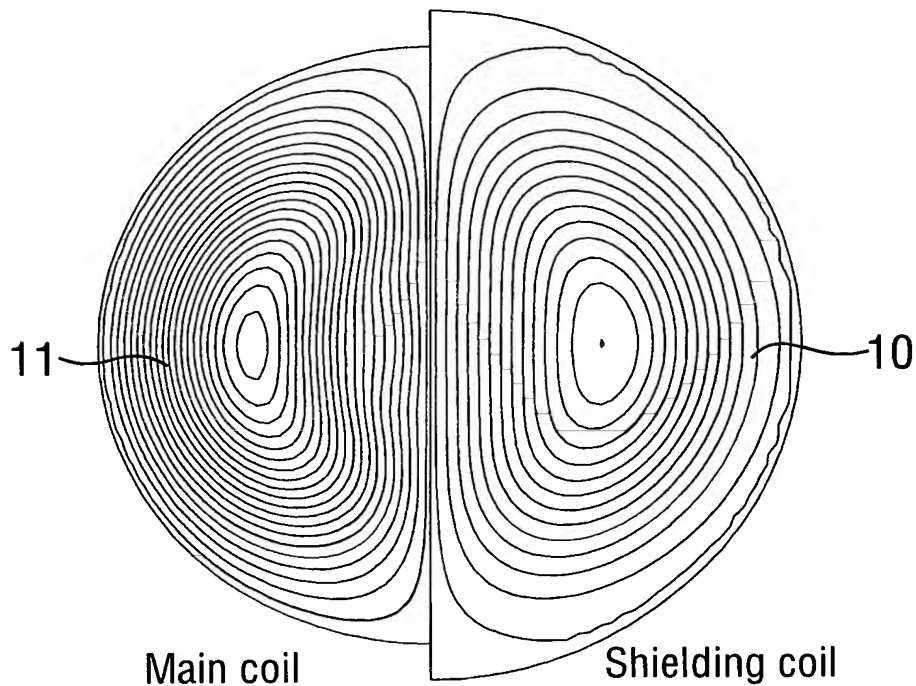


FIG. 1b

Winding patterns of conventional bi-planar gradient coil (X axis)
(one out of four windings shown in each case)

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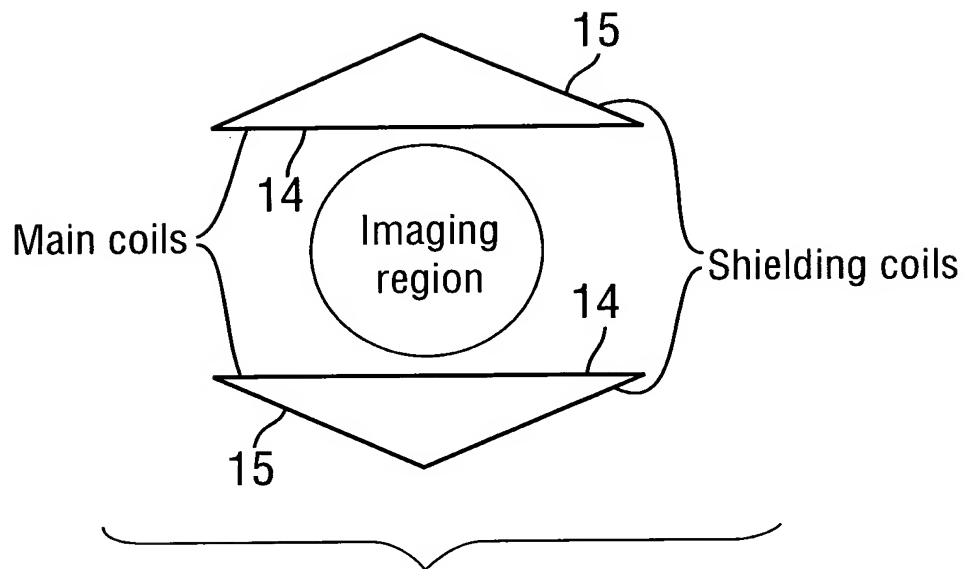


FIG. 2a

Cross-section of bi-planar main gradient coil
with conical shielding coil

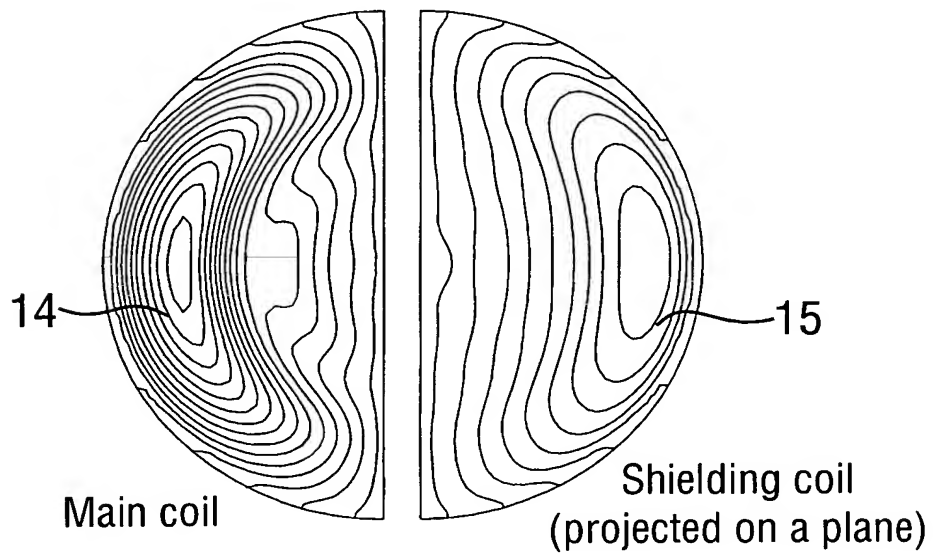
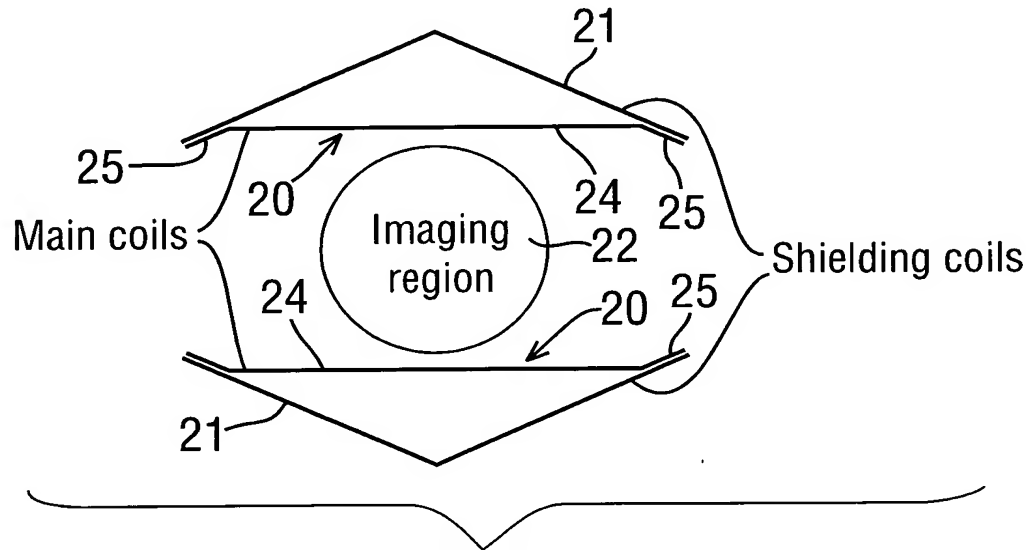
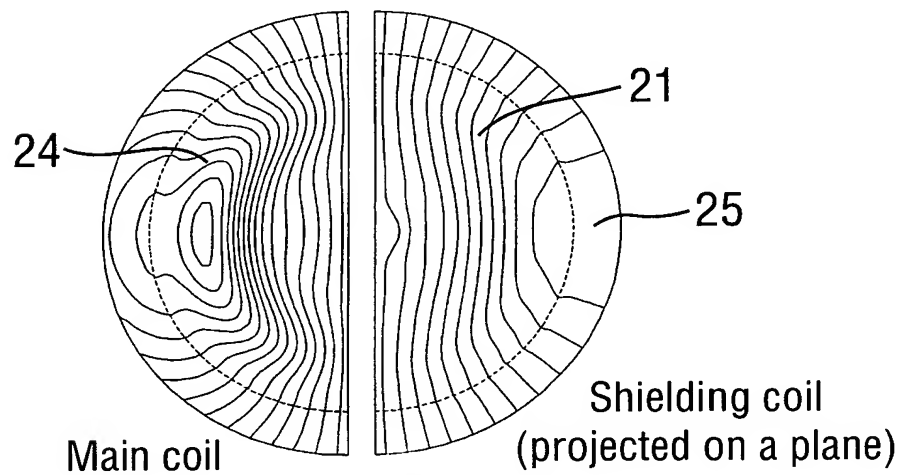


FIG. 2b

Winding patterns of bi-planar main gradient coil with conical
shielding coil (one of four for each), showing partial turns

**FIG. 3a**

Cross-section of bi-planar main gradient coil
with conical shielding coil

**FIG. 3b**

Winding patterns of concave main gradient coil with conical
shielding coil (one of four for each), showing partial turns.
Dotted line indicates near-coincident region

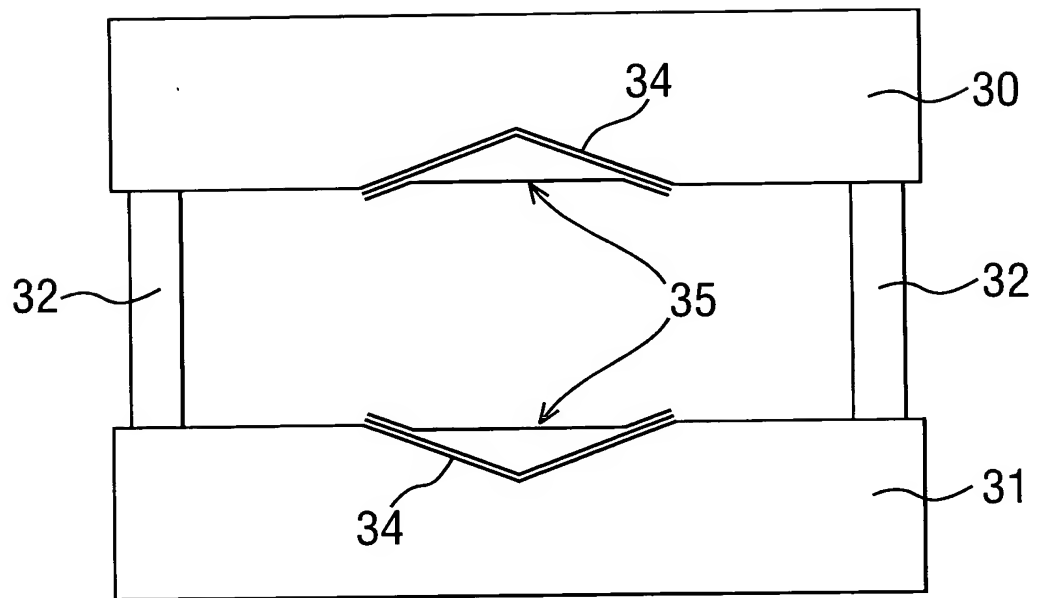


FIG. 4